



Type Test Report				Date of issue: 4.11.2015															
Customer:				Serial No.:															
Customer ref.:				Type: M3AA 132 S 6 Product Code: 3GAA133100-_SE															
Rating:		V		Hz		kW		r/min		A		η [%]		Duty					
3-Motor		400		Y 50		3,00		960		7,69		0,65		S1					
Insul.cl.F		230		D 50		3,00		960		13,30		0,65		S1					
IP55		460		Y 60		3,00		1161		6,84		0,67		S1					
Eff class IE2		50Hz : IE2 - 83,3%(100%) - 82,9%(75%) - 80,5%(50%) 60Hz : IE1 - 85,4%(100%)																	
Resistance Line				Ambient: 19,0 °C				Insulation resistance at 18 °C				Overload							
U ₁ - V ₁				3,02100 Ω				R > 2000 Mohm 1000 V				Current 150 % 120s							
U ₁ - W ₁				3,00900 Ω								Torque 160 % 15s							
V ₁ - W ₁				3,01300 Ω								Speed 120 % 120s							
								High-voltage test winding 2400 V				60 s							
Test		Torque [Nm]		Line U[V]		f[Hz]		Input I[A]		P1 [kW]		Output P2 [kW]		n[r/min]		cos φ		η [%]	
No load test				400 Y		50		5,1		0,28				1000		0,08			
Locked rotor test				118 Y		50		7,8		0,62				0		0,39			
Thermal test (100% load)		29,8		400 Y		50		7,6		3,68		3,00		961		0,69		81,60	
Partial load points:																			
~75% load		22,1		400 Y		50		6,4		2,74		2,25		973		0,61		82,00	
~50% load		14,6		400 Y		50		5,5		1,88		1,50		983		0,49		79,80	
~25% load		7,2		400 Y		50		4,9		1,07		0,75		992		0,31		70,40	
Temperature rise at rated load.				[°C]		[K]		Method		Measurement method									
Stator winding :				65,0		3		1 Resistance											
Frame :				18,0		3		2 Thermometer											
Bearing D-end :				36,0		3		3 Thermocouples											
Ambient Temperature :				25		3													
<p>These tests have been carried out on motor no. 3GE080813T3006, on date 2008-04-14 which is identical in electrical design with the above.</p> <p>Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.</p>																			
On behalf of customer																			
On behalf of manufacturer																			
Date of test																			
Tested by Asea Brown Boveri, S.A., Fabrica Motores , 08192 Sant Quirze del Valles , Spain												Telephone +34 93 728 85 00 Telefax +34 93 728 85 33							

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